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(71) Applicant: **NATIONAL UNIVERSITY OF SINGAPORE** [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(72) Inventors: **BEGHIN ÉP RENIER, Anne Christine Marie**; c/o National University of Singapore, Mechanobiology Institute, 21 Lower Kent Ridge Road, Singapore 119077 (SG). **GRENCI, Gianluca**; c/o National University of Singapore, Mechanobiology Institute, 21 Lower Kent Ridge Road, Singapore 119077 (SG). **VIASNOFF, Virgile Nicolas Robert**; c/o National University of Singapore, Mechanobiology Institute, 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(74) Agent: **SPRUSON & FERGUSON (ASIA) PTE LTD**; P.O. Box 1531, Robinson Road Post Office, Singapore 903031 (SG).

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(54) **Title:** A CELL CULTURE PLATE FOR CONDUCTING 3D CELL CULTURE AND A METHOD OF FABRICATING THE SAME

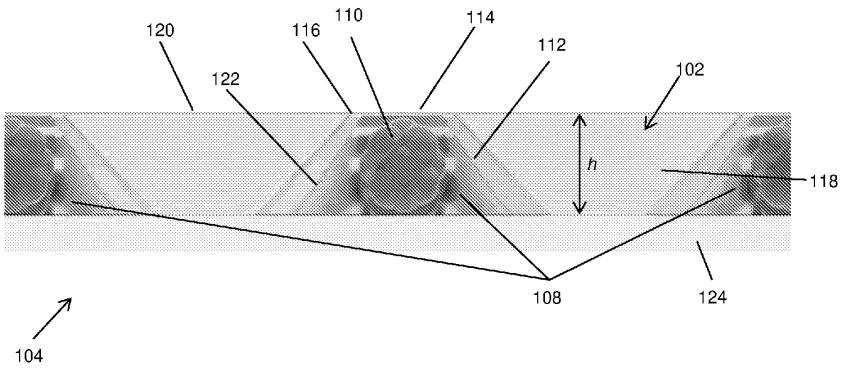


Figure 1B

(57) **Abstract:** The invention relates to a cell culture plate used with a suitable vessel for conducting 3D cell culture. The cell culture plate includes a plurality of sample wells for containing one or more cells. Each of the plurality of sample wells is defined by a peripheral wall and an aperture at a top portion of the peripheral wall for insertion of the one or more cells into the plurality of sample wells. In addition, each of the plurality of sample wells is configured to include a shape that converges from the peripheral wall to the aperture at the top portion, thereby preventing an aggregation of the cells formed in the 3D cell culture from escaping the plurality of sample wells through the aperture. The invention also relates to a method of fabricating such cell culture plate using at least one UV curable polymers selected from a group consisting of acrylate-based polymer, polycarbonate-based polymer, polystyrene polymer and elastomeric polymer.

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